

contacts 17 and other current-carrying components are contained within the circuit breaker base 11 and are insulated from the operating mechanism components within the top cover 12. Electrical isolation between the operating mechanism or trip mechanism 25 and the movable contact arm 88 is assured by the arrangement of the components, not shown, contained within the linkage 84. Other types of operating mechanisms are also within the scope of this invention, including, but not limited to, rotary contact arrangements. --

In the Claims:

Claim 4 is presented as follows in re-written "clean" format.

A2 Pub. ~~PC1~~ -- 4. (Amended) The circuit breaker of claim 3 further comprising an error detection program within the microcomputer, wherein the error detection program rejects current ratings greater than the frame rating. --

Please add the following new claims:

A3 F84 Pub. ~~PC1~~ 27. (Newly Added) A system for changing rating information of a circuit breaker, the system comprising:

- a circuit breaker having an electronic trip unit, a microcomputer in the electronic trip unit, and a non-volatile memory storing current rating and frame rating of the circuit breaker;
- a first internet connection for connecting the circuit breaker to the world wide web;
- a vendor sub-system; and,
- a second internet connection for connecting the vendor sub-system to the world wide web;

wherein the vendor sub-system and the microcomputer are communicable via the first and second internet connections for altering current rating of the circuit breaker by sending new data from the vendor sub-system to the microcomputer and then to the non-volatile memory.

28. (Newly Added) The system of claim 27 further comprising a display on the circuit breaker for displaying current rating information.

29. (Newly Added) The system of claim 27 further comprising a billing system communicable with the vendor system for tracking changes made by the vending system.

30. (Newly Added) The system of claim 27 further comprising an error detection program processable by the microcomputer for rejecting inappropriate current ratings.

31. (Newly Added) The system of claim 27 further comprising a network intermediate the circuit breaker and the first internet connection.

32. (Newly Added) A method of remotely altering rating information in a circuit breaker, the method comprising:

providing a non-volatile memory;

directing a frame rating of the circuit breaker and a first current rating of the circuit breaker to the non-volatile memory;

initiating a current rating change from a vendor system;

sending a second current rating from the vendor system to the world wide web;

delivering the second current rating from the world wide web to the microcomputer;

storing the second current rating in the non-volatile memory; and,

replacing the first current rating with the second current rating.

33. (Newly Added) The method of claim 32, subsequent delivering the second current rating from the world wide web to the microcomputer, further comprising comparing the second current rating to the frame rating and rejecting the second current rating if the second current rating exceeds the frame rating.

34. (Newly Added) The method of claim 32 further comprising arranging a billing system in communication with the vendor system.

35. (Newly Added) The method of claim 34 further comprising sending a notification from the microcomputer to the vendor system upon completion of receipt of the second current rating.

36. (Newly Added) The method of claim 35 further comprising calculating a monetary charge for the sending the second current rating.

37. (Newly Added) A circuit breaker for an electrical circuit comprising:
an operating mechanism for interrupting current in the electrical circuit when